

Converting Colors

YIQ(80.8670, 117.0930, 31.0210)

Have a look what the booklet for
YIQ(80.8670, 117.0930, 31.0210)
contains.

YIQ(80.8670, 117.0930, 31.0210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(80.8670, 117.0930,
31.0210)**

Conversions

Conversions Part 1

Format	Color
Hex	D41D04
RGB	212, 29, 4
RGB Percent	83%, 11%, 2%
CMY	0.1682, 0.8865, 0.9838
CMYK	0.00, 0.86, 0.98, 0.17
HSL	7°, 96%, 42%
HSV	7°, 98%, 83%
XYZ	27.6423, 14.8970, 1.5369
YIQ	80.8670, 117.0930, 31.0210

Conversions

Conversions Part 2

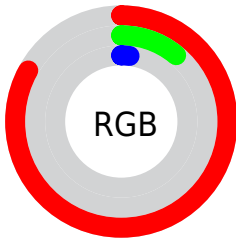
Format	Color
RYB	212, 32, 4
Decimal	13901060
CIELab	45.49, 66.22, 57.69
CIElCh	45, 87.819, 41.063
Yxy	14.8970, 0.6271, 0.3380
Android (android.graphics.Color)	4292091140 (0xFFD41D04)
YUV	80.8670, -37.8954, 115.0036
Hunter-Lab	38.5966, 60.2951, 24.6567

Details

The YIQ color **80.8670, 117.0930, 31.0210** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **135.1330, -117.0930, -31.0210**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **139.2090, 106.9620, 21.8900**, and **43.9530, 87.6120, 31.1640** is the 20% darker color. If you saturate the color by 10%, you get **78.0630, 119.4770, 31.8690**, and if you desaturate by 10%, it is **94.4140, 105.1270, 27.6150**.

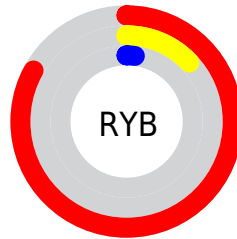
Distribution



Red (83%)

Green (11%)

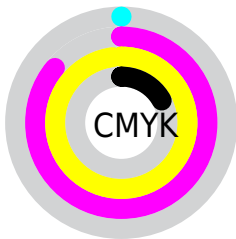
Blue (2%)



Red (83%)

Yellow (13%)

Blue (2%)

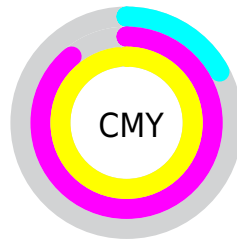


Cyan (0%)

Magenta (86%)

Yellow (98%)

Black (17%)



Cyan (17%)


Magenta (89%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 80.8670, 117.0930, 31.0210 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 80.8670, 117.0930, 31.0210 by changing the saturation by 10% instead.


 80.8670, 117.0930,
31.0210


 80.8670, 117.0930,
31.0210


 253.8600, 3.2100,
-3.1100


 53.8200, 107.2800,
38.1600


 139.2090,
106.9620, 21.8900


 43.9530, 87.6120,
31.1640


 158.9680, 91.2830,
14.1870


 34.3850, 68.5400,
24.3800


 178.9550, 74.9620,
7.1060

 25.3440, 49.4220,
18.4300

 198.9420, 58.6410,
0.0250

 16.6730, 32.1380,
12.2820

 219.6300, 41.7240,
-7.2680


 2.9900, 5.9600,
2.1200


 239.7310, 25.0820,


 0.0000, 0.0000,


-14.0380


0.0000


 250.6680, 12.1980,
-11.8180


 80.8670, 117.0930,
31.0210


 80.8670, 117.0930,
31.0210


 78.0630, 119.4770,
31.8690

 94.4140, 105.1270,
27.6150

 107.4880, 93.1150,
25.0430

 121.0350, 81.1490,
21.6370

 134.5820, 69.1830,
18.2310

 147.5420, 57.4920,
15.3480

■ 161.0890, 45.5260,
11.9420

■ 174.7500, 33.2390,
8.8470

■ 187.7100, 21.5480,
5.9640

■ 201.2570, 9.5820,
2.5580

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4600, 109.7950, 75.1950



80.8670, 117.0930, 31.0210



101.0130, 77.0740, -9.1500

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8670, 117.0930, 31.0210



85.0420, -54.8260, -52.6660



93.6400, -112.1050, 21.7750

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.8670, 117.0930, 31.0210



135.1330, -117.0930, -31.0210

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1090, -115.4040, 9.9720



80.8670, 117.0930, 31.0210



95.1080, -80.4140, -29.4540

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8670, 117.0930, 31.0210



75.1360, -35.2000, -66.9440



103.0880, -102.8840, -7.6840



107.4320, -7.6220, 61.0660

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8670, 117.0930, 31.0210



101.0920, 48.3300, -27.8780



103.0880, -102.8840, -7.6840



98.3360, -114.3050, 17.5910

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.8670, 117.0930, 31.0210



208.4090, 41.6290, 10.9810



87.1680, 64.9040, 101.3200



99.3900, 25.4450, 6.9250



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8670, 117.0930, 31.0210



93.8550, 143.7300, 38.3700



141.3280, 88.7680, -22.8480



100.4630, 6.0060, 1.2860



62.8690, 96.4160, 25.7920



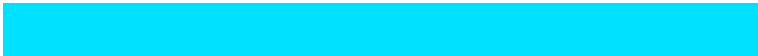
15.7920, 24.2530, 6.5010

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



135.1330, -117.0930, -31.0210



161.1450, -143.7300, -38.3700



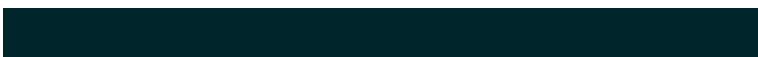
74.6720, -88.7680, 22.8480



103.1240, -6.2810, -1.8090



107.5440, -96.1410, -25.2690



27.2080, -24.2530, -6.5010

Previews

White Background



This preview shows how the YIQ color 80.8670, 117.0930, 31.0210 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 80.8670, 117.0930, 31.0210

Background



This preview shows how black text looks on a background with the YIQ color 80.8670, 117.0930, 31.0210.



This preview shows how white text looks on a background with the YIQ color 80.8670, 117.0930,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.8670, 117.0930, 31.0210

Protanopia

103.5390, 34.0700, -22.7460

Deuteranopia

101.4240, 53.3270, -24.8250



Tritanopia

82.4460, 111.2690, 37.4530

Trichromacy



Original Color

80.8670, 117.0930, 31.0210

Protanomaly

95.4710, 64.2810, -3.0710

Deuteranomaly

93.7620, 76.5230, -4.6690

Tritanomaly

81.6480, 113.5160, 35.2760

Monochromacy



Original Color

80.8670, 117.0930, 31.0210

Achromatopsia

81.0000, -0.0000, 0.0000

Achromatomaly

81.0070, 42.8210, 11.4050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.8670, 117.0930, 31.0210 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 29, 4)` looks like.

```
.text, #text, p{  
    color:rgb(212, 29, 4)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 29, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 29, 4) }
```

Border

The CSS property to change the border of an element to YIQ 80.8670, 117.0930, 31.0210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 29, 4) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(212, 29, 4) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(212, 29, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 29, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 29, 4);  
box-shadow:4px 4px 4px 4px rgb(212, 29, 4)  
}
```

Background

The CSS property to change the background color of an element to YIQ 80.8670, 117.0930, 31.0210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 29, 4) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212, 29,  
4) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor